

## **Program Educational Objectives**

Graduates of the associate's degree program in Mechanical Engineering Technology are prepared for a broad range of technical careers by achieving the following objectives:

1. Work competently in technical and professional careers related to their field.
2. Communicate effectively and work in teams.
3. Continue growth in professional knowledge and competencies.
4. Achieve compensation consistent with their degree.

## **Student Outcomes**

Graduates of the Associate of Science in Electrical Engineering Technology program are prepared for a broad range of technical careers by achieving the following objectives:

1. Apply principles of mathematics and science, to perform calculations and solve problems of the typically encountered in mechanical engineering technology field.
2. Demonstrate the ability to identify, formulate, and present creative solutions to technical problems within the field of mechanical engineering technology using appropriate standards and specifications.
3. Perform competently in a laboratory setting; tool selection, set-up, taking measurements, operating technical equipment, critically examining experimental results, and properly reporting on results.
4. Operate modern computational tools for technical problem solving and graphical display, including scientific calculators, CAD software, and dedicated computer programs.
5. Exhibit a broad education and knowledge of contemporary issues in a global and societal context. This is necessary to develop professional and ethical concerns, including responsibility to employers and to society at large.
6. Appreciate the need for life-long learning. This is most critical in the maintenance and improvement of technical skills
7. Demonstrate an ability to communicate effectively both written and orally. Function effectively in teams including teams who have a variety of backgrounds.